

W. S. 321 A

HARLAND & WOLFF LTD.  
BELFAST

6.

No. 1078-1081

TITLE

Longitudinal & transverse  
framing

?

DATE APPROVED

9. 11. 05

Scantlings in way of  
oil tanks

1158 59 + 1164

1078 Belfast Report No. 13221 - ~~Oil tank~~

1080 . . . 13281 Empire Chapman

1081 . . . 13305 Empire Fletcher

1079 . . . 13343 - Empire Sparrow

1138 . . . 13456 - Empire Bullock

1159 . . . 13590 Empire Industry

1164 . . . 13417 " Benefit

1189 . . . 13560 " Drailler

Scantlings in way of Oil Tanks and  
Longitudinal framing

PLANS TRANSFERRED

TO SISTER VESSEL

Lovengdal I

© 2021

013627 - 013631 - 0115



Lloyd's Register  
Foundation

9 APR 1948

Nos 1078-9-8-1 & 1083G  
SINGLE SCREW MOTOR TANKER

SCANTLINGS IN WAY OF OIL TANKS

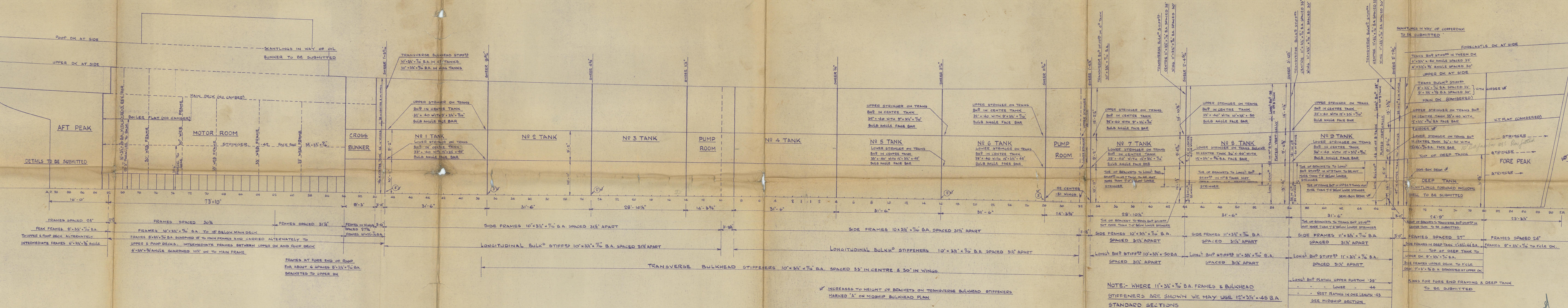
DIMENSIONS:- 460' 0" B.P. x 59' 0" MLD x 34' 0" MLD

TO CLASS LLOYDS 100A1\* "CARRYING PETROLEUM IN BULK"

LONGITUDINAL FRAMING AT BOTTOM AND AT DECK

SCALE:- 1/8" = ONE FOOT

ALL BULB ANGLE SECTIONS ARE N.B.S.



33

HARLAND & WOLFF LTD.  
BELFAST

No. 3 1078 - 1081

TITLE: Steel Deck

DATE APPROVED

18. 4. 1900

DEF AIR

Also 1158, 1159, 1160

1079 Belfast Report No 13343 - Empire Spenser  
1088 Belfast Report No 13221 - Dundale

1080 . . . 13281 Empire Chapman

1081 13305 Empire Fleetbay

1157 13456 Empire Bealadair

1159 13570 Empire Industry

1164 13417 " Benefit

1189 13560 " Traveller.

W1122 - G122

6/854 EN DEF AIR



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Lloyd's Register  
Foundation

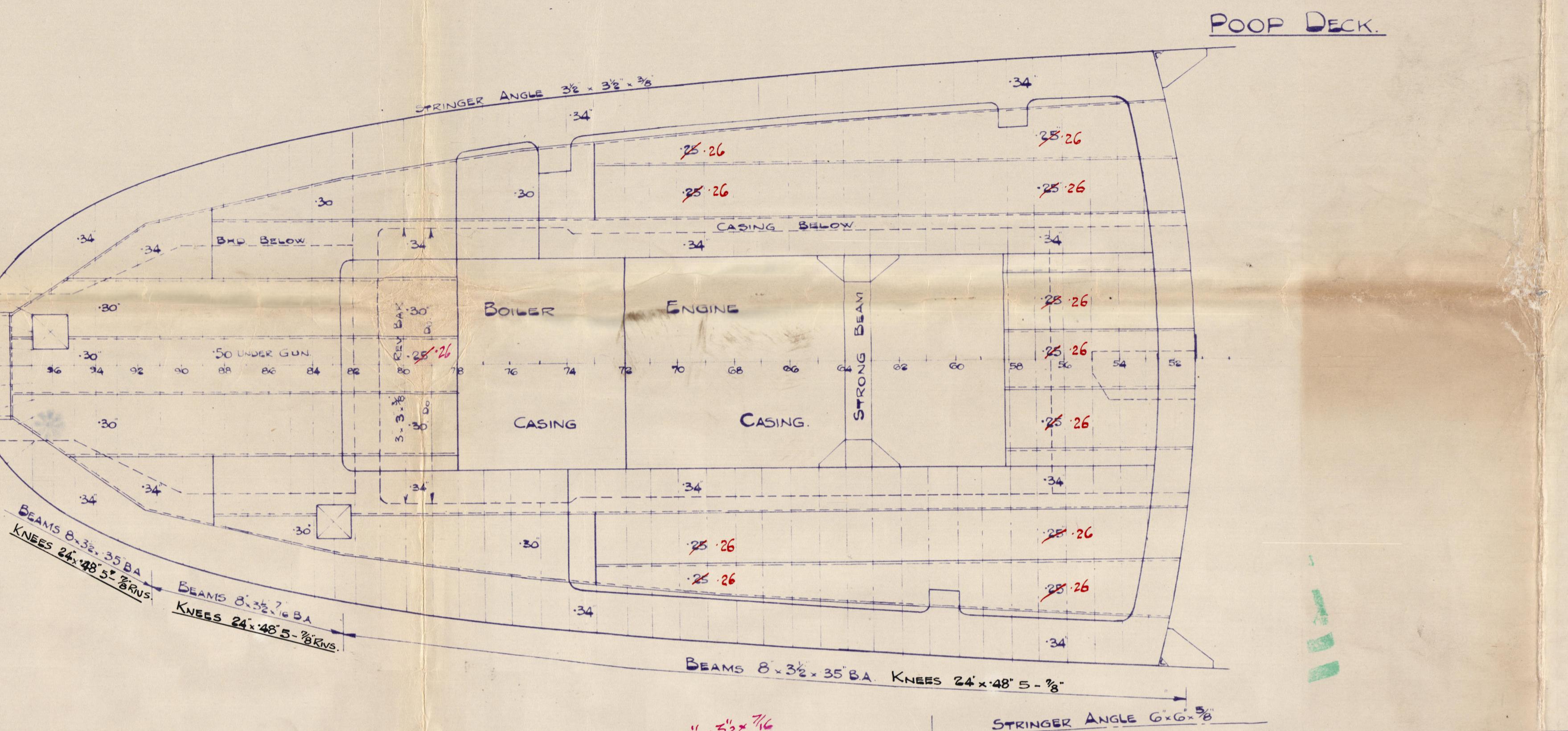
78-9-80-1 & 1083<sup>G</sup>.

# AN OF STEEL DECKS.

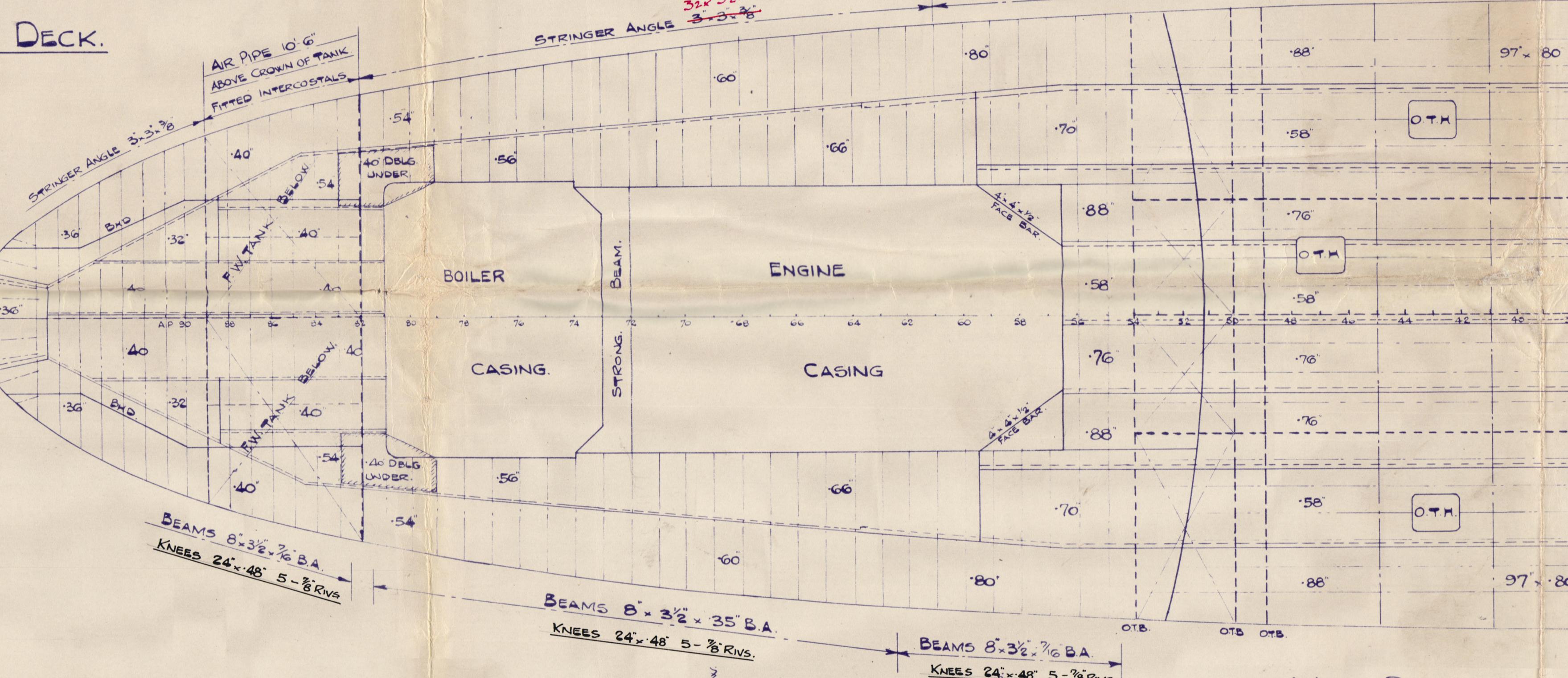
S 460-0" B.P x 59-0" MLD. x 34-0" MLD.

= 1 FOOT.

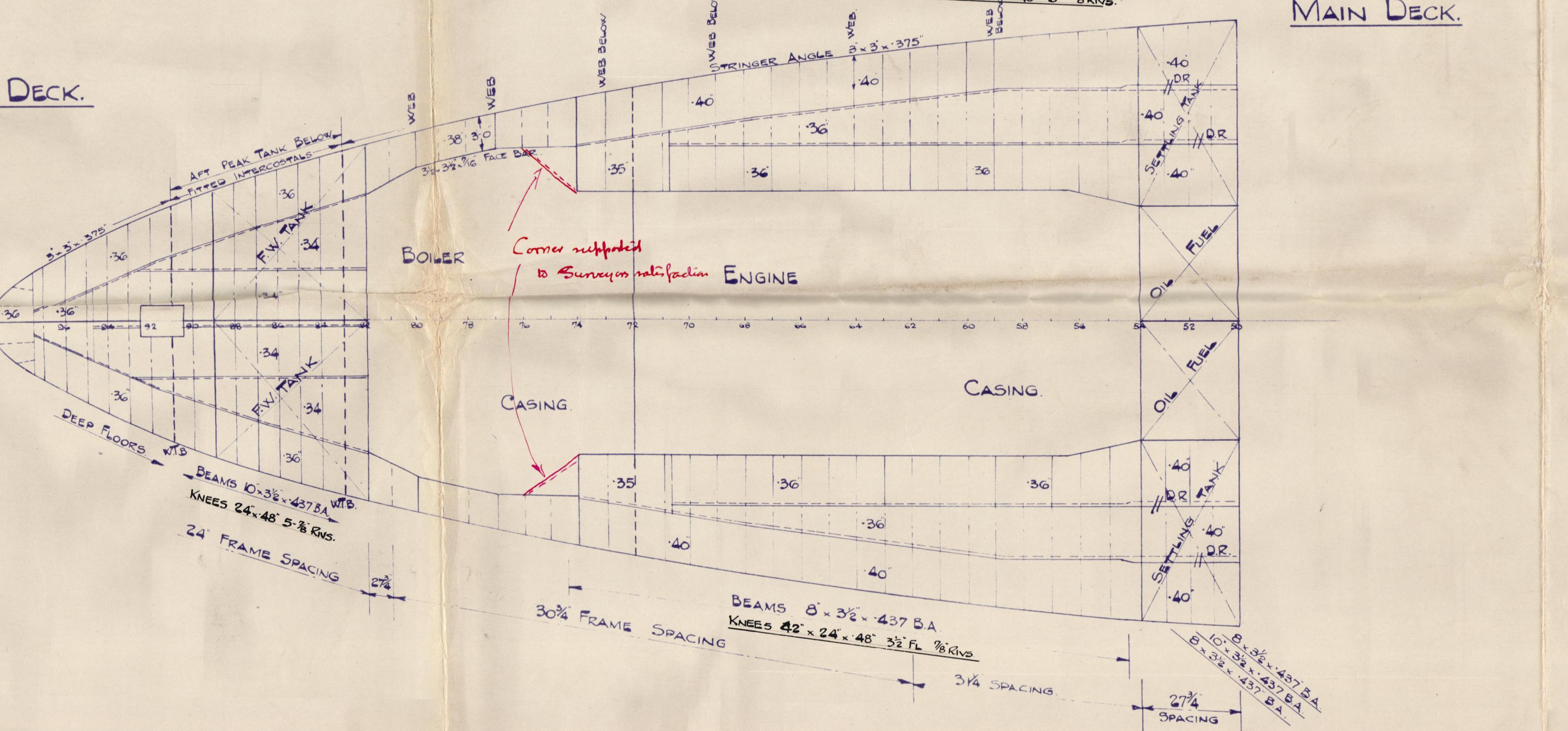
LOYDS 100A.I "CARRYING PETROLEUM IN BULK"



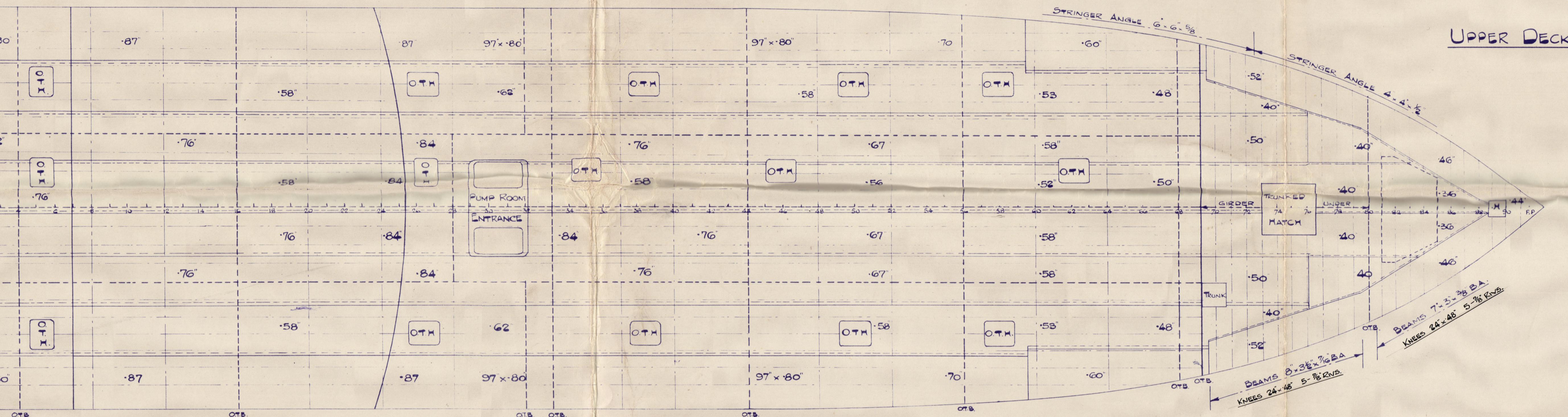
## UPPER DECK.



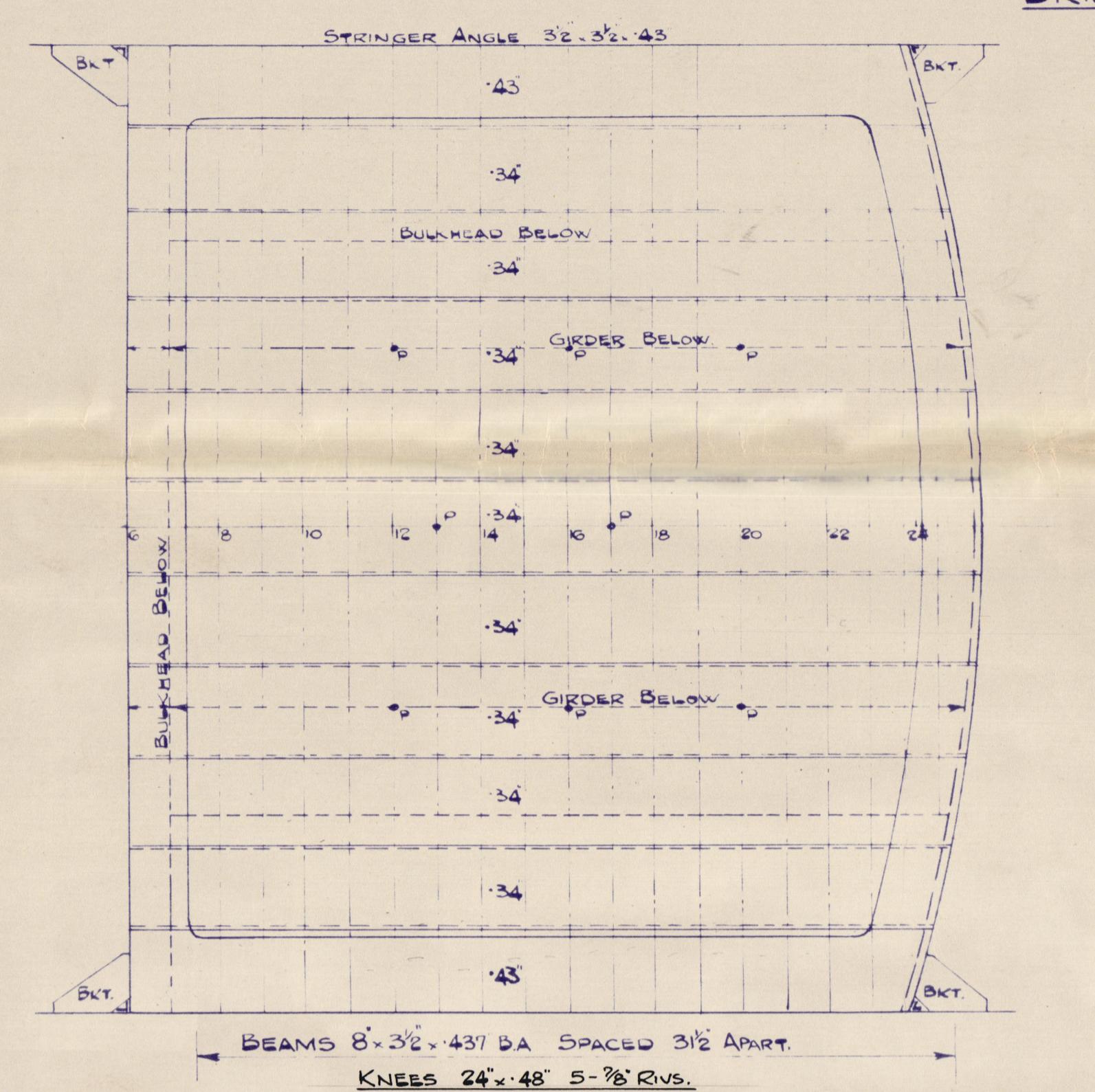
IN DECK.



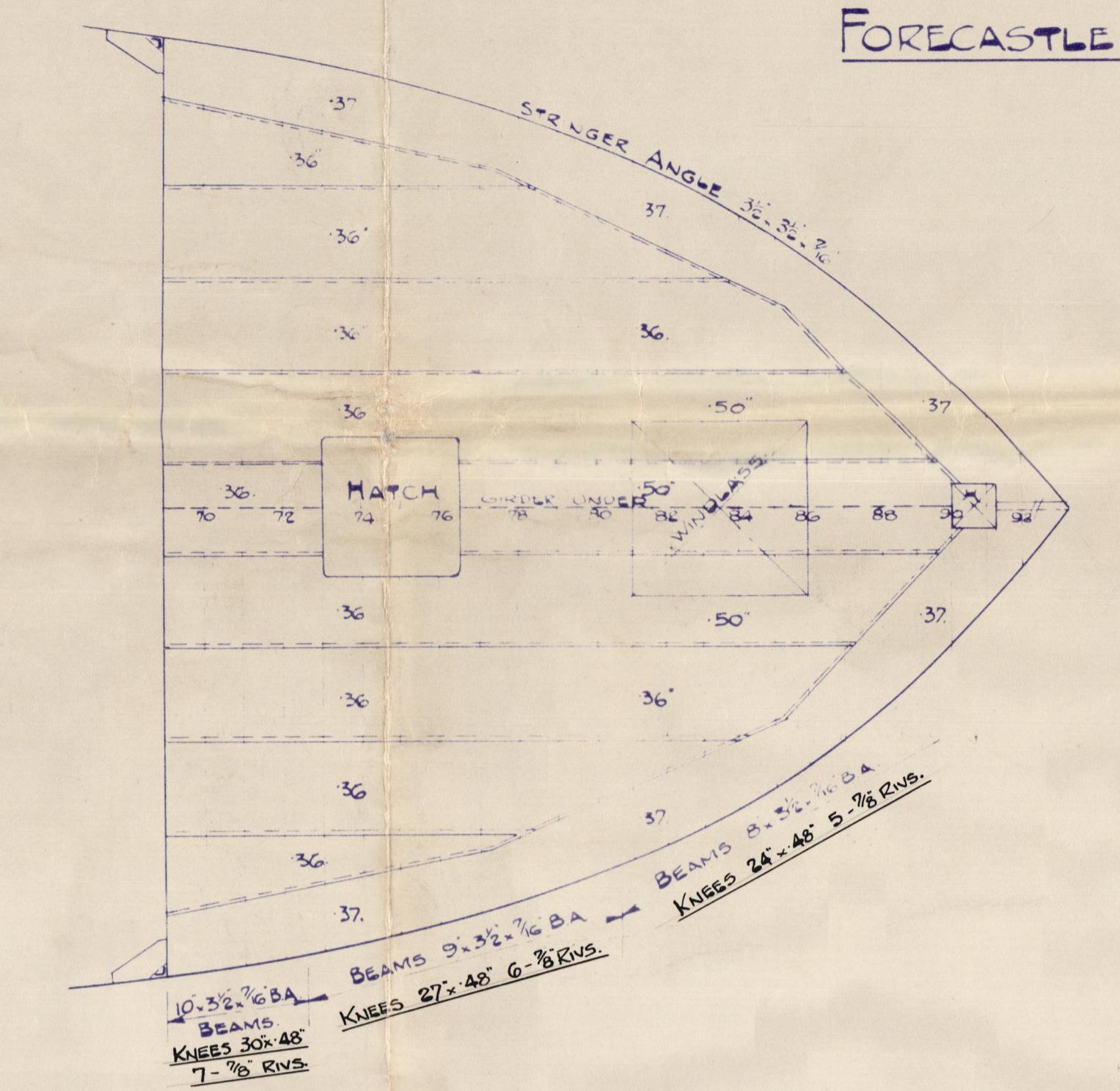
ECK.



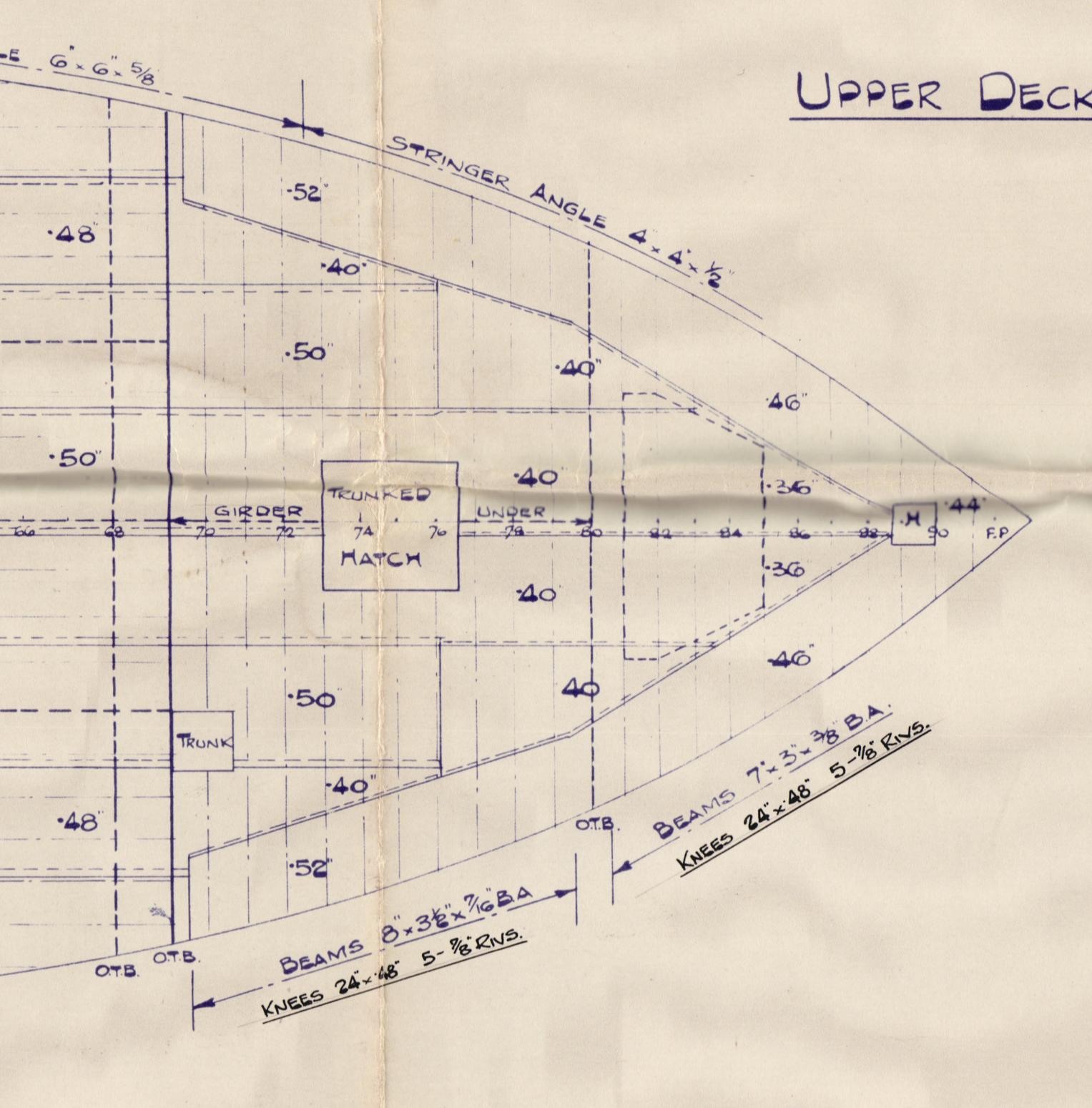
# BRIDGE DECK.



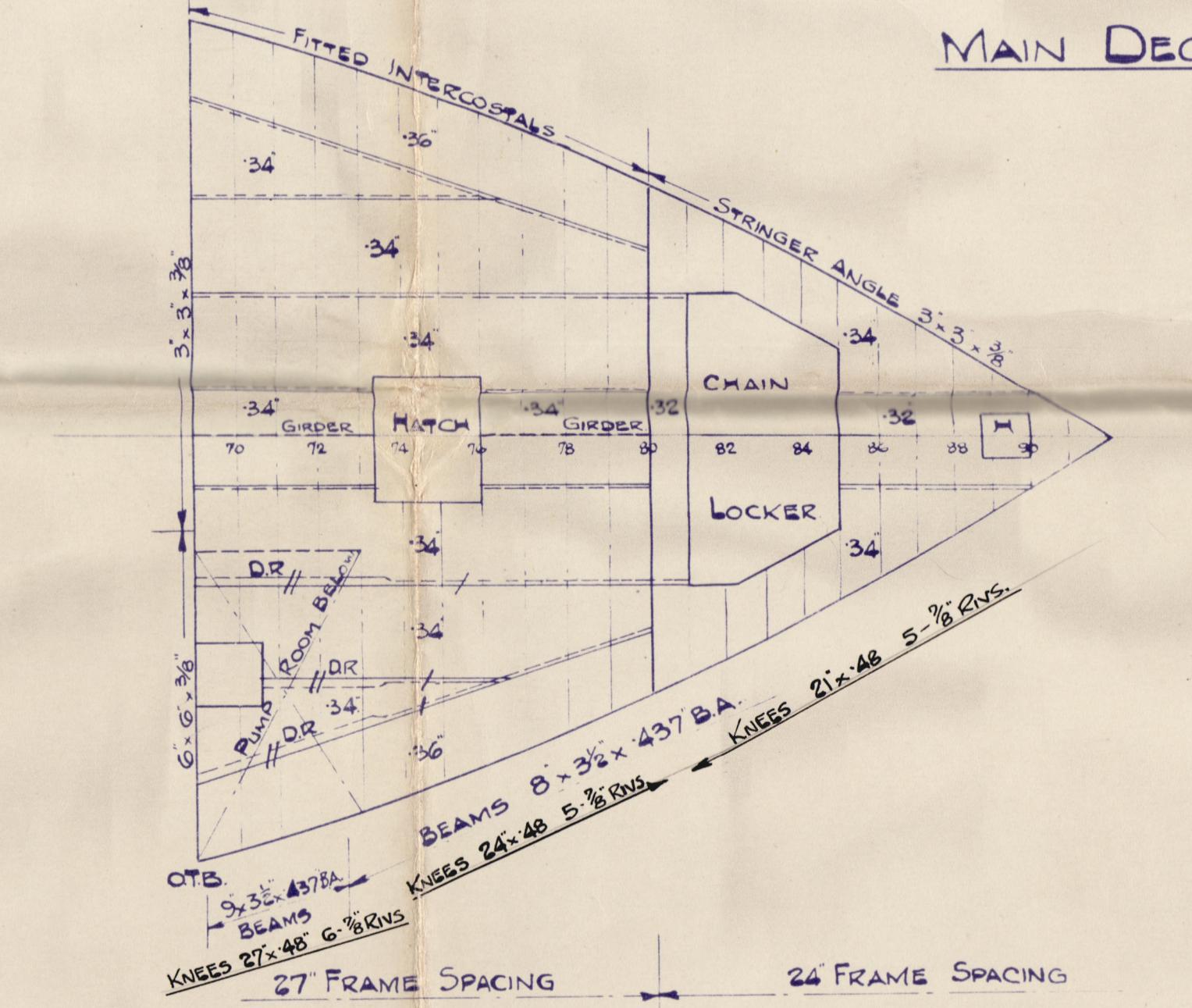
# FORECASTLE DEC



# UPPER DECK



MAIN DEC



21

HARLAND & WOLFF LTD.

BELFAST

No. 1078 - 1081

TITLE Weldship Section

9. 4. 00

Plan 1158, 1159, 1164. W.S. 3217

"DINSDALE"

M/1078 Belfast Report No. 13221 - Dinsdale

M/1080 " " 13281 Empire Chapman

M/1081 " " 13305 Empire 7000t

M/1079 " " 13343 - Empire Spenser

M/1158 " " 13456 - Empire Challenger

M/1159 " " 13590 Empire Dedication

M/1164 " " 13417 - Benefit

M/1189 " " 13580 - Traveller

PLANS TRANSFERRED  
TO SISTER VESSEL

*DinSDale I*



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013627 - 013631 - 0116

Lloyd's Register  
Foundation

11,12  
2,78  
8.34 |||  
0116



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Lloyd's Register  
Foundation

NOS 1078-9-80-1 & 1083G.

MIDSHIP SECTION.

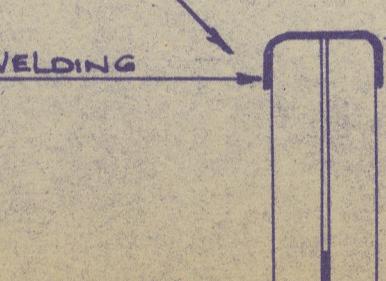
DIMENSIONS: - 460'-0" B.R. x 59'-0" BREADTH MLD x 34'-0" DEPTH MLD.

SCALE: -  $\frac{1}{2}$ " = ONE FOOT.

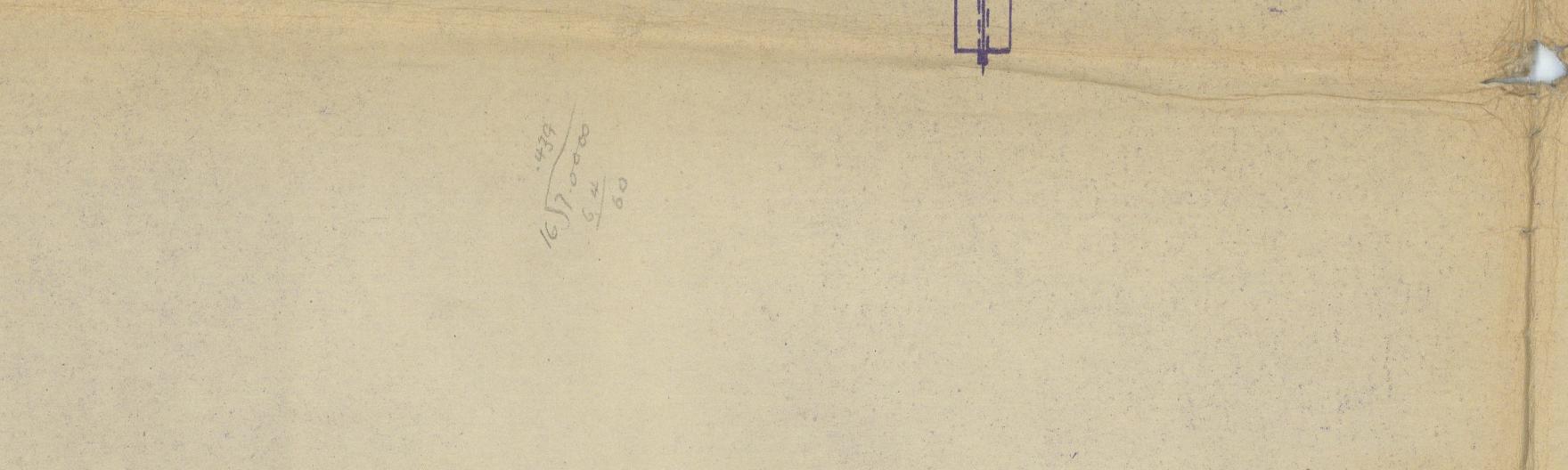
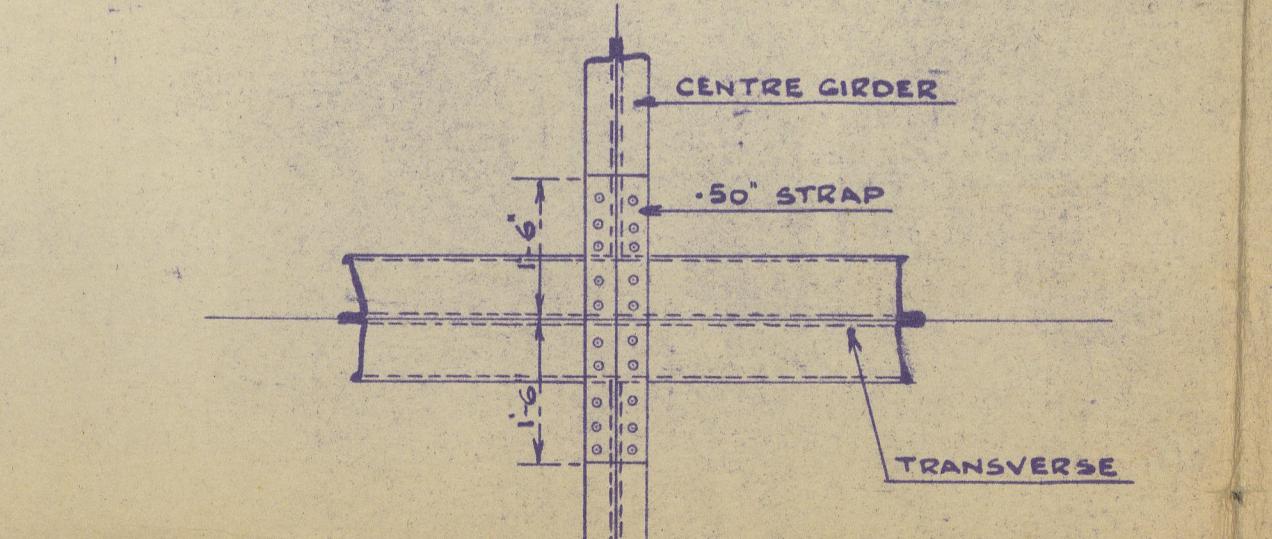
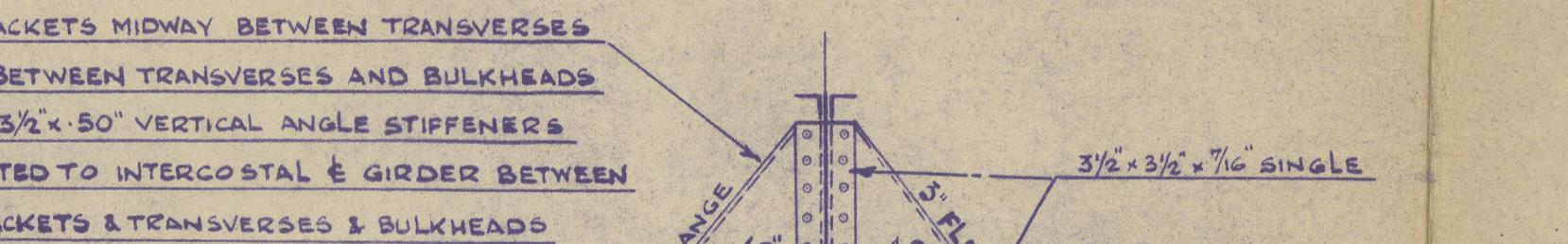
9 APRIL 1960

ALL ATTACHMENT ANGLES TO BULKHEADS TO BE HYDRAULICALLY RIVETED ON THE GROUND PRIOR TO ERECTION  
NO PLATE BEAMS OR BUTTS TO BE ARRANGED IN WAY OF THE CONNECTIONS OF THE TRANSVERSE & STRINGERS TO BULKHEADS.

IN CONNECTIONS MARKED THUS  $\times$  RIVET HOLES IN BOTH BAR & BULKHEAD TO BE PUNCHED  $\frac{1}{8}$ " SMALL AND CAREFULLY REAMMED OUT AFTER ASSEMBLY CONNECTIONS TO BE THEN DISMANTLED AND SURFACES CLEANED AND ALL BURRS REMOVED. ON RE-ASSEMBLY BOLT TO BE FITTED IN EVERY 3 $\frac{1}{2}$  HOLE, ALSO IN BOTH HOLES AT BOTH ENDS OF BARS AND ALL THOROUGHLY HARDENED UP. END OF BARS ON FACE SIDE OF BULKHEADS TO BE WELDED PRIOR TO RIVETING (SEE SKETCH).



DETAIL OF CENTRE GIRDERS TRIPPING BRACKETS.



SECTION THROUGH WING TANKS  
AT INTERMEDIATE FRAME

TO CLASS LLOYD'S 100A.I.  
"CARRYING PETROLEUM IN BULK"  
"LONGITUDINAL FRAMING AT BOTTOM & AT DECK."  
ALL BULB ANGLES ARE TO NEW BRITISH STANDARD  
SCANTLINGS SHOWN APPLY AMIDSHIPS AND ARE  
TO BE INCREASED FOR SHEER AS REQUIRED;  
SCANTLINGS, INCLUDING SHELL, CLEAR OF CARGO.  
OIL TANKS TO BE SPECIALLY CONSIDERED.

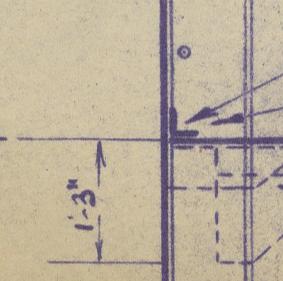
LLOYD'S NUMERALS:  
LxD 460'-0" x 34'-0" = 16640.  
Lx(B+D) 460'-0" (59'-0" + 34'-0") = 42780.  
L/D 460'/34' = 13.52.

9 APRIL 1960

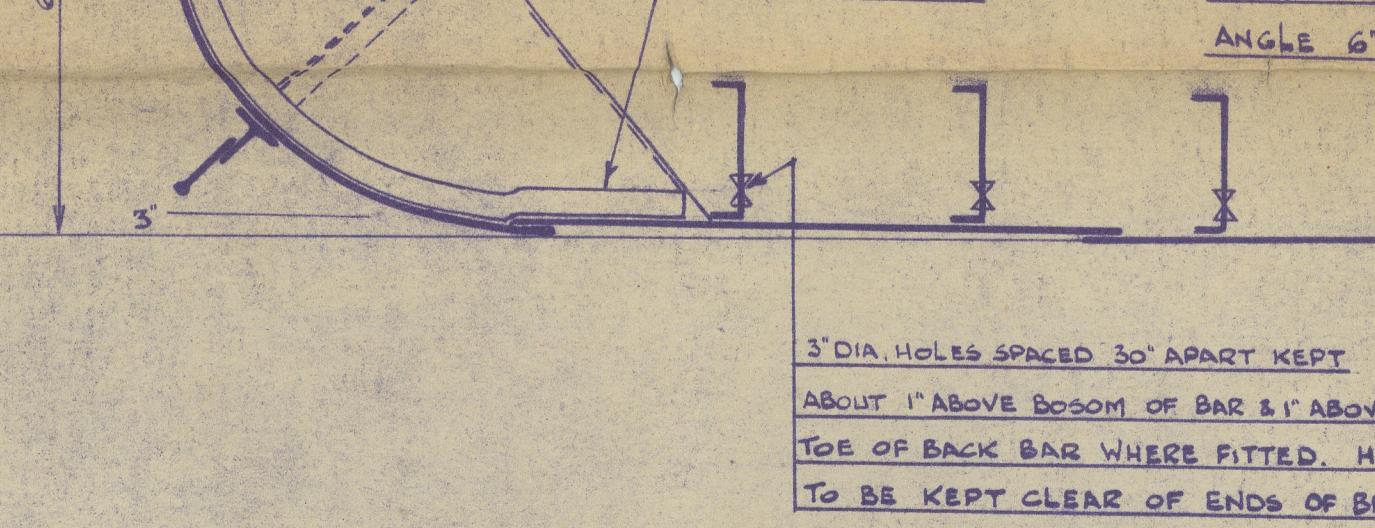
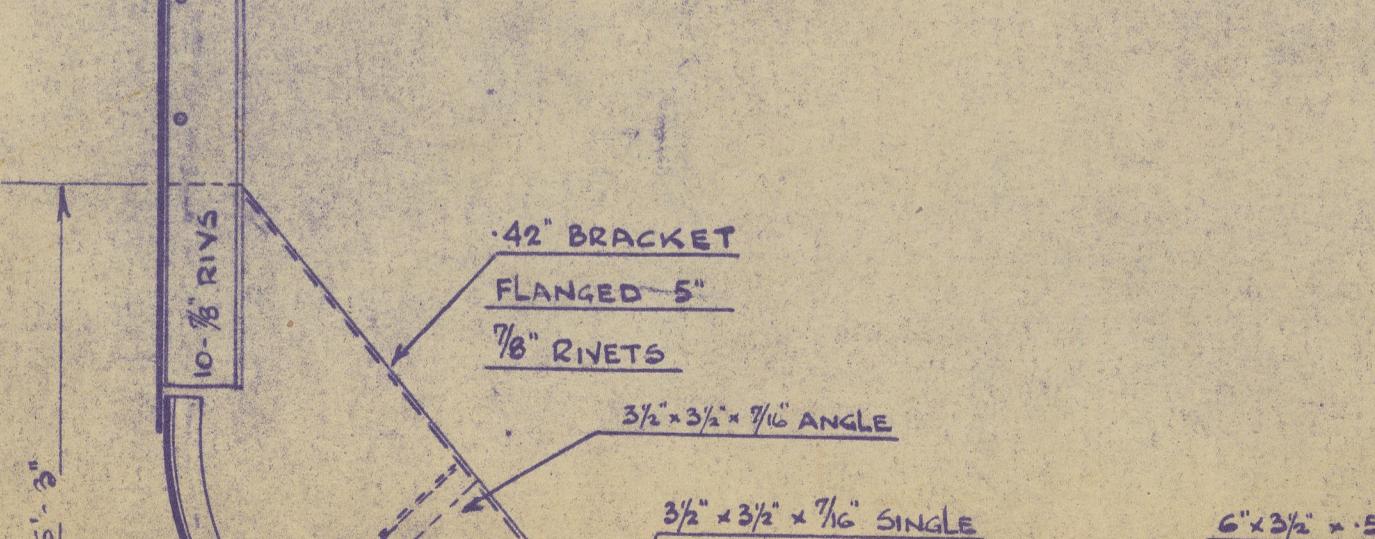
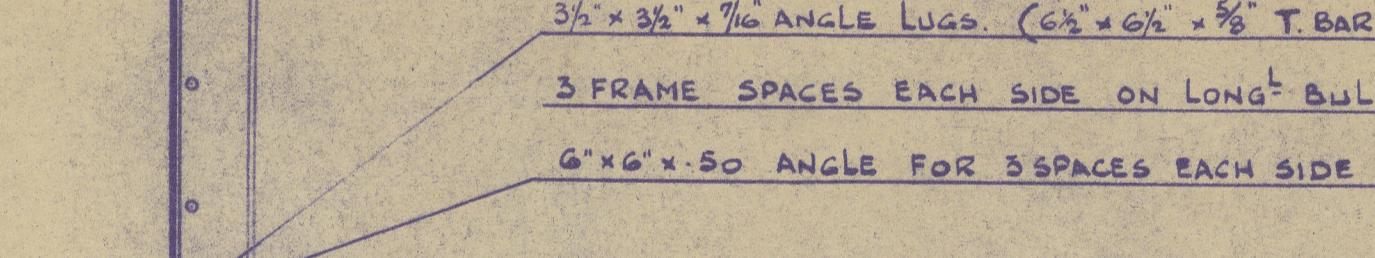
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DETAIL OF CENTRE GIRDERS TRIPPING BRACKETS.



PLAN OF BOTTOM PLATING FORWARD  
OF  $\frac{1}{2}$  L AND STRENGTHENING OF BOTTOM  
FORWARD TO BE SUBMITTED

0635

